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=> d his

     (FILE 'HOME' ENTERED AT 15:48:27 ON 15 JAN 2004)

     FILE 'REGISTRY' ENTERED AT 15:48:37 ON 15 JAN 2004
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L2             2 S L1
L3               STRUCTURE UPLOADED
L4             2 S L3
L5            26 S L3 SSS FULL

     FILE 'CAPLUS' ENTERED AT 15:51:12 ON 15 JAN 2004
L6            11 S L5

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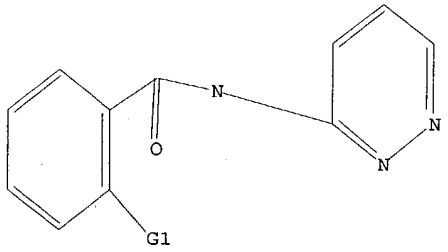

G1 O,N

Structure attributes must be viewed using STN Express query preparation.

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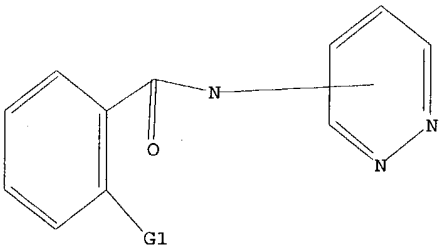

G1 O,N

Structure attributes must be viewed using STN Express query preparation.

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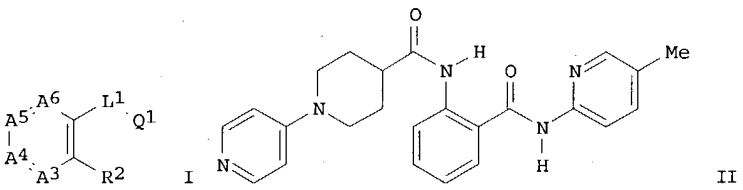
=> d 1-11 bib abs hitstr

L6   ANSWER 1 OF 11  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2000:457059  CAPLUS
DN   133:89437
TI   Preparation of heteroaryl-substituted aromatic amides as factor Xa
     inhibitors
IN   Beight, Douglas Wade; Craft, Trelia Joyce; Denny, Carl Penman;
     Franciskovich, Jeffry Bernard; Goodson, Theodore, Jr.; Hall, Steven
     Edward; Herron, David Kent; Joseph, Sajan Pariyadan; Klimkowski, Valentine
     Joseph; Masters, John Joseph; Mendel, David; Milot, Guy; Pineiro-Nunez,
     Marta Maria; Sawyer, Jason Scott; Shuman, Robert Theodore; Smith, Gerald
     Floyd; Tebbe, Anne Louise; Tinsley, Jennifer Marie; Weir, Leonard Crayton;
     Wikel, James Howard; Wiley, Michael Robert; Yee, Ying Kwong
PA   Eli Lilly and Co., USA; Kyle, Jeffrey, Alan; et al.
SO   PCT Int. Appl., 403 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
```

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000039118	A1	20000706	WO 1999-US29946	19991215
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2361149	AA	20000706	CA 1999-2361149	19991215
	EP 1140903	A1	20011010	EP 1999-964279	19991215
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002533454	T2	20021008	JP 2000-591029	19991215
	US 6635657	B1	20031021	US 2001-857751	20010608
PRAI	US 1998-113556P	P	19981223		
	WO 1999-US29946	W	19991215		
OS	MARPAT 133:89437				

GI



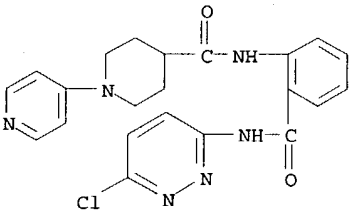
I II

AB The title compds. [I; A3-A6, together with the two carbons to which they are attached, complete a substituted benzene in which A3 = CR3, A4 = CR4, A5 = CR5, and A6 = CR6 (wherein R3 = H, Me, MeO, etc.; one of R4 and R5 = H, alkyl, halo, etc.; the other of R4 and R5 = H; R6 = H, Me, F, etc.); L1 = CONH; Q1 = 2-pyridinyl (un)substituted at the 5-position, 3-pyridinyl (un)substituted at the 6-position, 2-pyrimidinyl (un)substituted at the 5-position, etc.; R2 = L2Q2 (L2 = NHCO, NHCH2, OCH2, etc.; Q2 = (un)substituted piperidinyl, piperazinyl, Ph, etc.)] and their pharmaceutically acceptable salts, useful as inhibitors of factor Xa (no data), were prepd. and formulated. E.g., a multi-step synthesis of II.HCl was given. In general, compds. I are effective at 0.01-1000 mg/kg/day.

IT **280768-71-0P 280771-11-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heteroaryl-substituted arom. amides as factor Xa inhibitors)

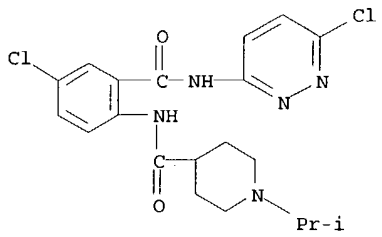
RN 280768-71-0 CAPLUS

CN 4-Piperidinecarboxamide, N-[2-[[(6-chloro-3-pyridazinyl)amino]carbonyl]phenyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 280771-11-1 CAPLUS

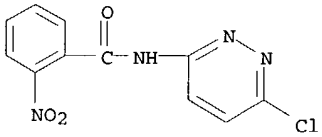
CN 4-Piperidinecarboxamide, N-[4-chloro-2-[[(6-chloro-3-pyridazinyl)amino]carbonyl]phenyl]-1-(1-methylethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



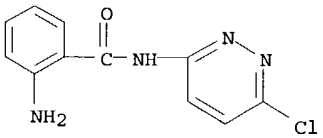
● HCl

IT **280771-67-7P 280771-68-8P 280773-28-6P**
280773-30-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of heteroaryl-substituted arom. amides as factor Xa inhibitors)

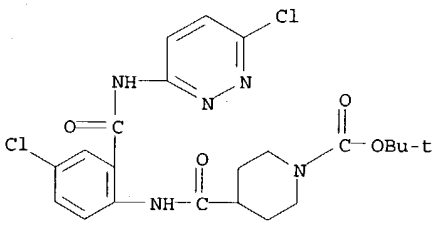
RN 280771-67-7 CAPLUS
CN Benzamide, N-(6-chloro-3-pyridazinyl)-2-nitro- (9CI) (CA INDEX NAME)



RN 280771-68-8 CAPLUS
CN Benzamide, 2-amino-N-(6-chloro-3-pyridazinyl)- (9CI) (CA INDEX NAME)



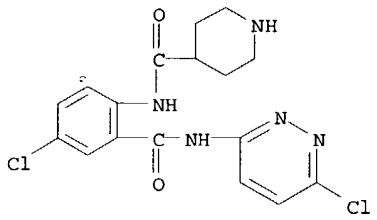
RN 280773-28-6 CAPLUS
CN 1-Piperidinecarboxylic acid, 4-[[[4-chloro-2-[[(6-chloro-3-pyridazinyl)amino]carbonyl]phenyl]amino]carbonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 280773-30-0 CAPLUS
CN 4-Piperidinecarboxamide, N-[4-chloro-2-[[(6-chloro-3-pyridazinyl)amino]carbonyl]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

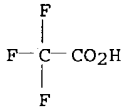
CM 1

CRN 280773-29-7
CMF C17 H17 Cl2 N5 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2

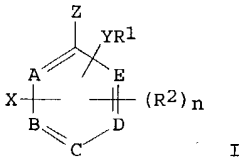


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1992:31253 CAPLUS
DN 116:31253
TI Cyan dye-forming couplers for silver halide photographic materials
IN Aoki, Kozo; Yamazaki, Shigeru
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 36 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03103849	A2	19910430	JP 1989-242444	19890919
PRAI	JP 1989-242444		19890919		

GI

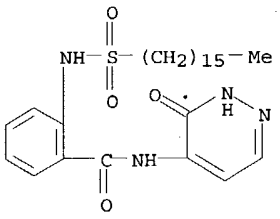


I

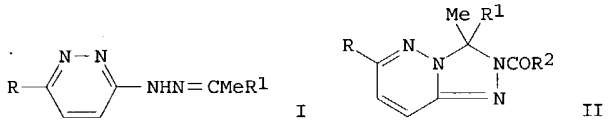
AB Claimed are cyan couplers of formula I (R1 = aliph., aryl, heterocyclyl; X = H, group released upon coupling; R2 = substituent on heterocyclic ring; Y = divalent linking group contg. .gtoreq.1 amide bond and/or ester bond; Z = dissocn. group; n = 0 or 1; when n = 1, R1 and R2 may together form a ring; further detail on R1, R2, and X is given; A, B, C, D, and E = C or N; 2 of A-E are N atoms). Other cyan couplers are also claimed. The use of photog. materials contg. couplers of this invention gives excellent color reprodn.

IT **138084-84-1P**
RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of, as photog. coupler)

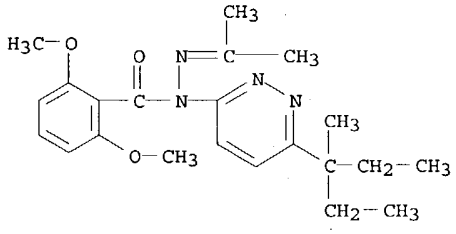
RN 138084-84-1 CAPLUS
CN Benzamide, N-(2,3-dihydro-3-oxo-4-pyridazinyl)-2-[(hexadecylsulfonyl)amino]- (9CI) (CA INDEX NAME)



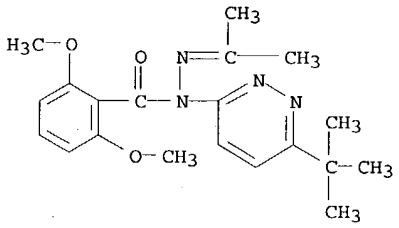
L6 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1986:19553 CAPLUS
DN 104:19553
TI The structure of the scarlet compounds obtained from the acylation of pyridazinylhydrazones
AU Abdulla, Riaz F.; Jones, Noel D.; Swartzendruber, John K.
CS Lilly Res. Lab., Eli Lilly and Co., Greenfield, IN, 46140, USA
SO Chemische Berichte (1985), 118(12), 5009-15
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA English
OS CASREACT 104:19553
GI



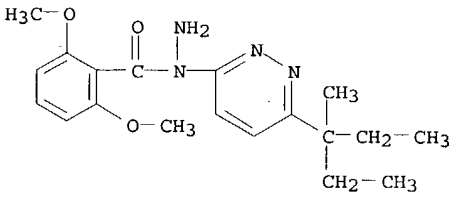
AB Acylation of pyridazinylhydrazones I (R = Me3C, Et2CMe, Cl; R1 = Me, CH2CO2CMe3) with acid chlorides or anhydrides in C6H6 gave triazolopyridazines II [e.g., R2 = 2,6-(MeO)2C6H3, Me3CCH2, ClCH2, Me2N], the structures of which were confirmed by x-ray anal. of II (R = Me3C, R1 = Me, R2 = Me3CCH2).
IT **99577-06-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrolysis of)
RN 99577-06-7 CAPLUS
CN Benzoic acid, 2,6-dimethoxy-, [6-(1-ethyl-1-methylpropyl)-3-pyridazinyl](1-methylethylidene)hydrazide (9CI) (CA INDEX NAME)



IT **99577-05-6P 99577-07-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 99577-05-6 CAPLUS
CN Benzoic acid, 2,6-dimethoxy-, [6-(1,1-dimethylethyl)-3-pyridazinyl](1-methylethylidene)hydrazide (9CI) (CA INDEX NAME)



RN 99577-07-8 CAPLUS
CN Benzoic acid, 2,6-dimethoxy-, 1-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]hydrazide (9CI) (CA INDEX NAME)



L6 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1984:121087 CAPLUS
DN 100:121087
TI Benzamides, compositions and their agricultural use
IN Burow, Kenneth W., Jr.
PA Eli Lilly and Co., USA
SO U.S., 41 pp. Cont.-in-part of U.S. Ser. No. 187,675, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4416683	A	19831122	US 1981-302323	19810914
	JP 57081467	A2	19820521	JP 1981-146991	19810914
	JP 05000386	B4	19930105		
	DK 8104107	A	19820317	DK 1981-4107	19810915
	DK 163509	B	19920309		
	DK 163509	C	19920824		
	NO 8103142	A	19820317	NO 1981-3142	19810915
	NO 159054	B	19880822		
	NO 159054	C	19881130		
	FI 8102875	A	19820317	FI 1981-2875	19810915
	FI 75815	B	19880429		
	FI 75815	C	19880808		
	AU 8175257	A1	19820325	AU 1981-75257	19810915
	AU 544567	B2	19850606		
	GB 2084140	A	19820407	GB 1981-27846	19810915
	GB 2084140	B2	19840627		
	BR 8105900	A	19820608	BR 1981-5900	19810915
	ES 505517	A1	19830101	ES 1981-505517	19810915
	ZA 8106393	A	19830427	ZA 1981-6393	19810915
	PL 127767	B1	19831130	PL 1981-233031	19810915
	HU 30448	O	19840328	HU 1981-2667	19810915
	HU 191037	B	19861228		
	RO 83401	P	19840402	RO 1981-105310	19810915
	CA 1179345	A1	19841211	CA 1981-385944	19810915
	IL 63839	A1	19841231	IL 1981-63839	19810915
	RO 88228	B3	19851230	RO 1981-113246	19810915
	RO 88495	B3	19860130	RO 1981-113245	19810915
	SU 1375111	A3	19880215	SU 1981-3336204	19810915
	DD 206930	A5	19840215	DD 1981-233336	19810916
	CS 252456	B2	19870917	CS 1981-6829	19810916
	SU 1160932	A3	19850607	SU 1982-3381405	19820120
	US 4515625	A	19850507	US 1983-510699	19830705
	US 4636243	A	19870113	US 1984-685922	19841224
	US 4801718	A	19890131	US 1985-805020	19851205
	US 4943634	A	19900724	US 1988-270907	19881114
	US 5086184	A	19920204	US 1990-520008	19900507

PRAI US 1980-187675 19800916
US 1981-302323 19810914
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OS CASREACT 100:121087
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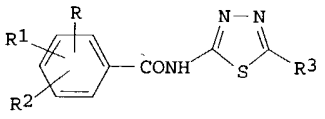
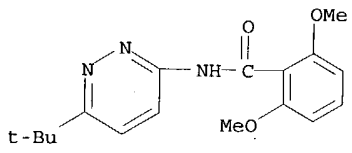


I

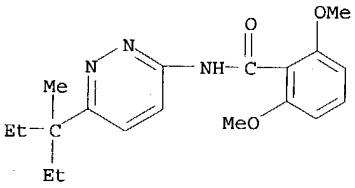
AB Herbicidal thiadiazolylbenzamides I (R = H, alkoxy; R1 = alkoxy, alkylthio; R2 = alkyl, R1; R3 = substituted alkyl, cycloalkylalkyl) (177 compds.) were prepd. Thus, 13.0 g Et2CMeCO2H was treated with 9.1 g H2NNHCSNH2 and POCl3 to give 17.0 g 2-amino-5-(1-ethyl-1-methylpropyl)-1,3,4-thiadiazole. This was acylated with 2,6-(MeO)2C6H3COCl to give 36% I (R = H, R1 = 2-MeO, R2 = 6-MeO, R3 = MeEt2C) (II). In pre-emergence tests 8 lb II/acre gave 100% kill of, e.g., foxtail and velvetleaf.

IT **82559-64-6P 82559-96-4P 82559-97-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and herbicidal activity of)

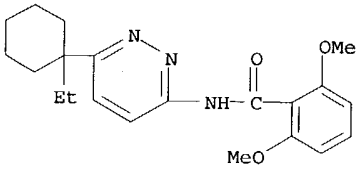
RN 82559-64-6 CAPLUS
CN Benzamide, N-[6-(1,1-dimethylethyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



RN 82559-96-4 CAPLUS
CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



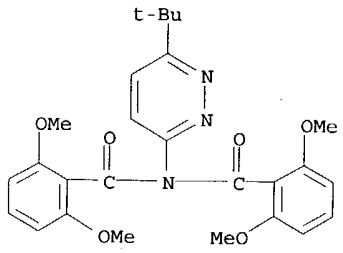
RN 82559-97-5 CAPLUS
CN Benzamide, N-[6-(1-ethylcyclohexyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



IT **89151-74-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydrolysis of)

RN 89151-74-6 CAPLUS

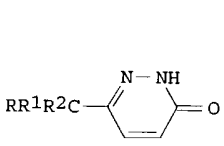
CN Benzamide, N-(2,6-dimethoxybenzoyl)-N-[6-(1,1-dimethylethyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



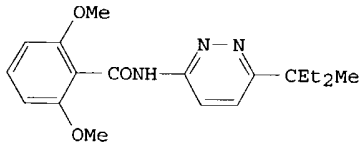
L6 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1984:34556 CAPLUS
DN 100:34556
TI Synthesis of 6-tert-alkyl-3-pyridazinones
IN Abdulla, Riaz F.
PA Eli Lilly and Co., USA
SO U.S., 7 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4411753	A	19831025	US 1982-366882	19820408
PRAI US 1982-366882		19820408		

GI



I

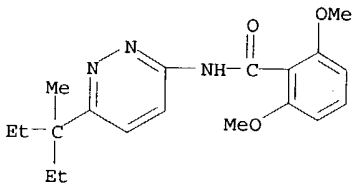


II

AB Title compds. I (R = C1-C4 alkyl; R1, R2 = C1-C13 alkyl or haloalkyl) were prepd. by photolysis of RR1R2CCOCH:CHCO2H with hydrazine. Thus, Et2CMeCOCH:CHCO2H was prepd., and 20 g of this acid and 3.6 g hydrazine in 200 mL EtOH were irradiated with a sun lamp to give 4.3 g I (R = R1 = Et, R2 = Me). This product was converted in 3 steps to pyridazinylbenzamide II, illustrating the use of I in herbicide prepns.

IT **82559-96-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 82559-96-4 CAPLUS
CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)

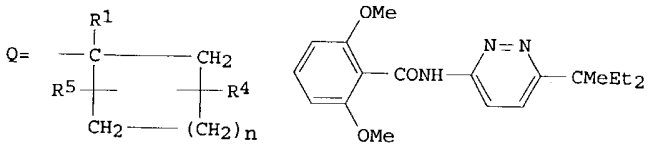


L6 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1983:575785 CAPLUS
DN 99:175785
TI Acetyl-tert-alkanes
IN Abdulla, Riaz F.
PA Eli Lilly and Co., USA
SO U.S., 7 pp.
CODEN: USXXAM

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4398044	A	19830809	US 1982-366881	19820408
PRAI	US 1982-366881		19820408		

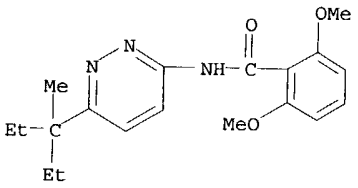
OS CASREACT 99:175785
GI



III

AB RCOMe (I; R = CR1R2R3, Q; R1 = alkyl; R2, R3 = alkyl, haloalkyl; n = 0-4; R4, R5 = H, halo, alkyl) were prepd. by hydrolytic decarboxylation of RCOCH2CN with HCl. Thus, 63 g MeCN was refluxed with 114 g Et2CMeCO2Me in THF in the presence of NaH to give 122 g Et2CMeCOCH2CN, which was refluxed with 12 N HCl for 2 h to give 93 g Et2CMeCOMe (II). I are intermediates in the synthesis of N-pyridazinylbenzamides, which are known herbicides, e.g., II was converted in several steps to pyridazinylbenzamide III.

IT **82559-96-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 82559-96-4 CAPLUS
CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)

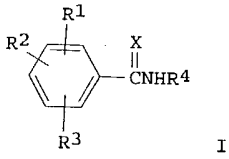


L6 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1982:472372 CAPLUS
DN 97:72372
TI N-Arylbenzamide derivatives
IN Burow, Kenneth Wayne, Jr.
PA Eli Lilly and Co., USA
SO Eur. Pat. Appl., 158 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 49071	A1	19820407	EP 1981-304225	19810915
	EP 49071	B1	19841219		
	R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	JP 57081467	A2	19820521	JP 1981-146991	19810914
	JP 05000386	B4	19930105		
	DK 8104107	A	19820317	DK 1981-4107	19810915
	DK 163509	B	19920309		
	DK 163509	C	19920824		
	NO 8103142	A	19820317	NO 1981-3142	19810915
	NO 159054	B	19880822		
	NO 159054	C	19881130		
	FI 8102875	A	19820317	FI 1981-2875	19810915
	FI 75815	B	19880429		
	FI 75815	C	19880808		
	AU 8175257	A1	19820325	AU 1981-75257	19810915
	AU 544567	B2	19850606		
	GB 2084140	A	19820407	GB 1981-27846	19810915
	GB 2084140	B2	19840627		

	BR 8105900	A	19820608	BR 1981-5900	19810915
	ES 505517	A1	19830101	ES 1981-505517	19810915
	ZA 8106393	A	19830427	ZA 1981-6393	19810915
	PL 127767	B1	19831130	PL 1981-233031	19810915
	HU 30448	O	19840328	HU 1981-2667	19810915
	HU 191037	B	19861228		
	RO 83401	P	19840402	RO 1981-105310	19810915
	CA 1179345	A1	19841211	CA 1981-385944	19810915
	IL 63839	A1	19841231	IL 1981-63839	19810915
	AT 10840	E	19850115	AT 1981-304225	19810915
	RO 88228	B3	19851230	RO 1981-113246	19810915
	RO 88495	B3	19860130	RO 1981-113245	19810915
	SU 1375111	A3	19880215	SU 1981-3336204	19810915
	DD 206930	A5	19840215	DD 1981-233336	19810916
	CS 252456	B2	19870917	CS 1981-6829	19810916
	SU 1160932	A3	19850607	SU 1982-3381405	19820120
PRAI	US 1980-187675		19800916		
	EP 1981-304225		19810915		

GI

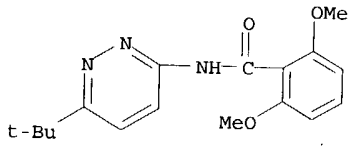


I

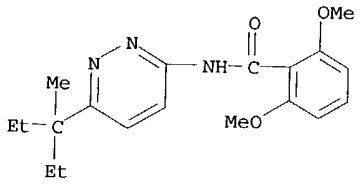
AB The herbicidal heteroarylbenzamides I (R1 = H, halo, C1-4 alkyl, C1-4 alkoxy; R2 = H, halo, C1-4 alkyl, C1-4 alkoxy, C1-4 alkylthio, F3C; R3 = H, halo, C1-4 alkyl, C1-4 alkoxy, C1-4 alkylthio; R4 = isoxazolyl, isothiazolyl, pyrazolyl, imidazolyl, oxadiazolyl, pyridazinyl) were prepd. Thus, methylating Et2CHCO2Me with MeI followed by reaction with MeCN gave Et2CMeCOCH2CN which cyclized with HONH2.HCl to give 5-amino-3-(1-ethyl-1-methylpropyl)isoxazole, which was treated with 2,5-(MeO)2C6H3COCl to give N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,5-dimethoxybenzamide (II). In preemergence application at 0.25 lbs/acre II completely prevented growth of crabgrass.

IT **82559-64-6P 82559-96-4P 82559-97-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

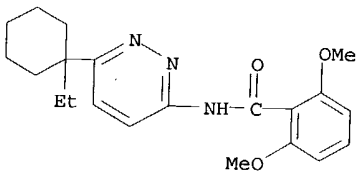
RN 82559-64-6 CAPLUS
CN Benzamide, N-[6-(1,1-dimethylethyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



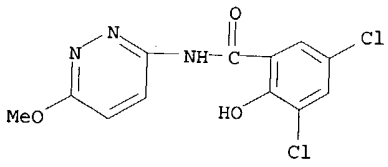
RN 82559-96-4 CAPLUS
CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



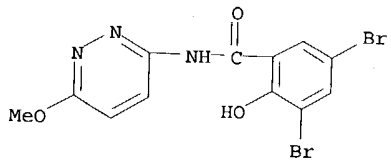
RN 82559-97-5 CAPLUS
CN Benzamide, N-[6-(1-ethylcyclohexyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



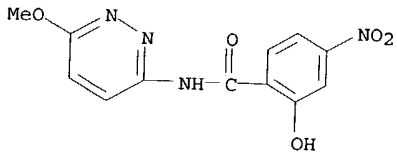
L6 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1973:97277 CAPLUS
DN 78:97277
TI Synthesis of amido derivatives of 3-aminopyridazine and various benzoic acids
AU Abblard, J.; Cronenberger, L.
CS Serv. Chim. Biol., Inst. Natl. Sci. Appl., Villeurbanne, Fr.
SO Chimica Therapeutica (1972), 7(6), 485-92
CODEN: CHTPBA; ISSN: 0009-4374
DT Journal
LA French
GI For diagram(s), see printed CA Issue.
AB Thirty-eight N-(3-pyridazinyl)benzamides (I, R = OMe, CH2CHMe2, Cl, OEt; R1 = H, Cl, OH, OEt, Me; R2 = H, Cl, Br, NO2; R3 = H, Cl, NO2, NH2; R4 = H, Cl, Br, NO2), potential anticoccidial agents, were prepd. from 3-aminopyridazines and benzoyl chlorides.
IT **39614-92-1P 39614-93-2P 39614-95-4P**
39615-00-4P 39615-01-5P 39615-03-7P
39615-10-6P 39615-14-0P 40330-08-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 39614-92-1 CAPLUS
CN Benzamide, 3,5-dichloro-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



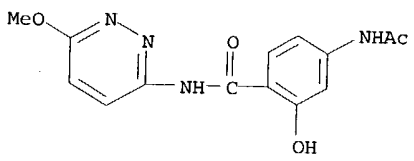
RN 39614-93-2 CAPLUS
CN Benzamide, 3,5-dibromo-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



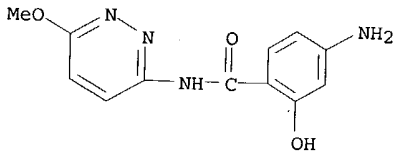
RN 39614-95-4 CAPLUS
CN Benzamide, 2-hydroxy-N-(6-methoxy-3-pyridazinyl)-4-nitro- (9CI) (CA INDEX NAME)



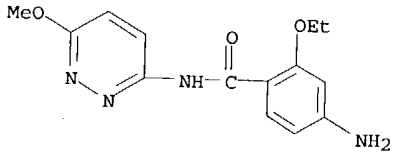
RN 39615-00-4 CAPLUS
CN Benzamide, 4-(acetylamino)-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



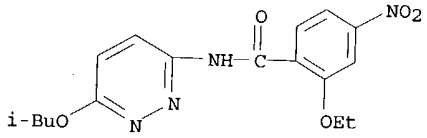
RN 39615-01-5 CAPLUS
CN Benzamide, 4-amino-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



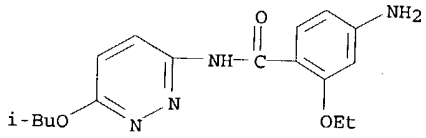
RN 39615-03-7 CAPLUS
CN Benzamide, 4-amino-2-ethoxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



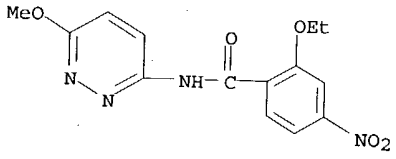
RN 39615-10-6 CAPLUS
CN Benzamide, 2-ethoxy-N-[6-(2-methylpropoxy)-3-pyridazinyl]-4-nitro- (9CI) (CA INDEX NAME)



RN 39615-14-0 CAPLUS
CN Benzamide, 4-amino-2-ethoxy-N-[6-(2-methylpropoxy)-3-pyridazinyl]- (9CI) (CA INDEX NAME)



RN 40330-08-3 CAPLUS
CN Benzamide, 2-ethoxy-N-(6-methoxy-3-pyridazinyl)-4-nitro- (9CI) (CA INDEX NAME)

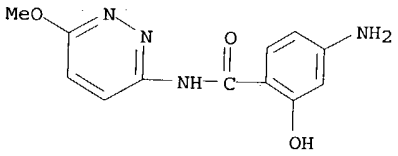


L6 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1964:31002 CAPLUS

DN 60:31002
OREF 60:5517d-e
TI 3-(p-Aminosalicylamido)-6-substituted pyridazines
IN Hiyama, Yokichi; Kaneki, Hiyokatsu; Wada, Tomoko; Nakadai, Yasuko
PA Meito Sangyo Co., Ltd.
SO 2 pp.
DT Patent
LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 38024386		19631115	JP	19590716

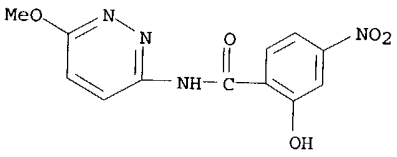
GI For diagram(s), see printed CA Issue.
AB To a soln. of 5 g. 3-amino-6-methoxypyridazine in 50 cc. pyridine is added dropwise p-nitroacetyl- salicoyl chloride (from 9 g. p-nitroacetytsalicylic acid and 16 cc.SOCl2), the mixt. kept 2 hrs., heated with 10 cc. H2O 30 min., and poured into dil. HCl to give 6 g. 3-(p-nitrosalicylamido)6-methoxypyridazine (Ia), pale yellow, m. 280-2.degree. (decompn.). A suspension of 4 g. Ia in a mixt. of 200 cc. MeOH and 4 cc. concd. HCl is reduced (Pd-C) (from 10 cc. 1% PdCl2 soln. and 4 g. C) to give 1.5 g. I, m. 253.degree. (decompn.), a useful sulfa drug.
IT **39615-01-5**, Salicylamide, 4-amino-N-(6-methoxy-3-pyridazinyl)- (prepn. of)
RN 39615-01-5 CAPLUS
CN Benzamide, 4-amino-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1964:31001 CAPLUS
DN 60:31001
OREF 60:5517b-d
TI Phenothiazine derivatives
IN Nakanishi, Michio; Tashiro, Chiaki
PA Yoshitomi Pharmaceutical Industries, Ltd.
SO 2 pp.
DT Patent
LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 38025681		19631202	JP	19600614

GI For diagram(s), see printed CA Issue.
AB A mixt. of 3 g. Et .beta.-[10-(2-methylthiophenothiazinyl)]propionimidate (I) (X = :NH) hydrochloride and 35 cc. pyridine is kept overnight and evapd. in vacuo, 150 cc. C6H6 added to the residue, and the mixt. washed with 5% HCl and evapd. to give 2.6 g. Et .beta.-[10-(2-methylthiophenothiazinyl)]propiothionate (I) (X = S), m. 79-80.degree. (EtOH). Similarly is prepd. Et .beta.-[10-(2-trifluoromethylpheno-thiazinyl)]propiothionate (II). Treatment of II with N-2-hydroxyethylpiperazine gives 1-(2-hydroxyethyl)-4-[.beta.-[10-(2-trifluoromethylphenothiazinyl)]thiopropionyl]piperazine (maleate m. 155.degree.). These compds. are useful as intermediates for the manuf. of tranquilizers.
IT **39614-95-4**, Salicylamide, N-(6-methoxy-3-pyridazinyl)-4-nitro- (prepn. of)
RN 39614-95-4 CAPLUS
CN Benzamide, 2-hydroxy-N-(6-methoxy-3-pyridazinyl)-4-nitro- (9CI) (CA INDEX NAME)



L6 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1959:67737 CAPLUS
DN 53:67737
OREF 53:12298f-i,12299a-f
TI Triazaphenanthrenes. III. Synthesis of some 9-aryl-2,3,10-triazaphenanthrenes
AU Atkinson, C. M.; Rodway, R. E.
CS Chelsea Coll. Sci. Technol., London
SO Journal of the Chemical Society, Abstracts (1959) 1-5
CODEN: JCSAAZ; ISSN: 0590-9791
DT Journal
LA Unavailable
AB cf. C.A. 52, 4657g. Cyclodehydration of the phenylpyridazines (where a group is NHCOAr) to 2,3,-10-triazaphenanthrenes is best effected with P2O5 in PhNO2 (I). The presence of a nitro substituent prevents cyclization in some instances. MeI salts of the triazaphenanthrenes were biol. inactive. Hot aq. KMnO4 (200 g. in 2 l.) added dropwise during 3 hrs. to 40 g. 4-phenylcinnoline in 3 ml. H2O, excess KMnO4 destroyed by alc., the MnO2 digested with 300 cc. hot H2O, the filtrate and washings combined and concd. to 800 cc., cooled, and acidified gave 44.4 g. 5-phenylpyridazine-3,4-dicarboxylic acid (II), m. 148-50.degree. (effervescence). Crude II (40 g.) and 120 cc EtOCH2CH2OH refluxed 15 min., cooled, filtered, the residue washed with alc., and the crude product crystd. gave 16-18 g. 5-phenylpyridazine-4-carboxylic acid (III), m. 222-4.degree. (decompn.) (MeOH). III (40 g.) suspended in 1.5 l. dioxane treated dropwise during 45 min. with CH2N2 in Et2O, stirred a further 15 min., left overnight, and concd. to 120 cc. vol. gave 34.4 g. Me 5-phenylpyridazine-4-carboxylate (IV), m. 103-5.degree. (ligroine). IV (20 g.) and 1 l. MeOHNH3 kept 8 days at room temp. gave 16.3 g. 4-carbamoyl-5-phenylpyridazine (V), m. 170-2.degree. (CHCl3). V (26 g.) added in 1 portion to 370 cc. aq. KOBr (from 8 cc. Br, 40 g. KOH, and 400 cc. H2O), stirred 45 min. at 0.degree., 220 cc. 10% aq. KOH added, the mixt. heated 35 min. at 80.degree., and cooled gave 18 g. 4-amino-5-phenylpyridazine (VI), blades, m. 154-6.degree. (C6H6). VI with BzCl in C5H5N 3 hrs. on the steam bath gave 88% 4-benzamido-5-phenylpyridazine (VII), m. 202-4.degree. (alc.). VII (2.4 g.) in 48 cc. I heated 6 hrs. at 180.degree. with 4.8 g. P2O5, after 3 hrs. a further 2.4 g. P2O5 added, cooled, H2O added, I distd., the aq. residue filtered hot, and the filtrate made alk. gave 21. g. 9-phenyl-2,3,10-triazaphenanthrene (VIII), blades, m. 196-8.degree. (MeOH). VIII (1.2 g.), 4.8 cc. MeI, and 24 cc. MeOH refluxed 3 hrs. gave 1.5 g. VIII.MeI, m. 285-7.degree. (decompn.). VIII (0.3 g.), 0.3 cc. Me2SO4, and 30 cc. I heated 3 hrs. at 160.degree. gave 270 mg. VIII.MeI. VI (2.5 g.) and .omicron.-O2NC6H4COCl (from 3 g. acid) in 20 cc. C5H5N heated 2.5 hrs. on the steam bath gave 2.7 g. 4-.omicron.-nitrobenzamido-5-phenylpyridazine, m. 216-18.degree. (MeOH). Similarly, was prepd. 7.8 g. (from 5.0 g.) 4-m-nitrobenzamido-5-phenylpyridazine, prisms, m. 198-9.degree. (Me2CO), and 79% 4-p-nitrobenzamido compd. (IX), blades, m. 216-17.degree. (MeOH). IX (6 g.) in 180 cc. dry I treated at 140.degree. with 4 portions of P2O5, heated 6 hrs. with addn. of 9 g. more P2O5 at the end of 3 hrs., the mixt. basified, steam distd., and filtered hot gave 3.9 g. 9-p-nitrophenyl-2,3,10-triazaphenanthrene (X), m. 300-1.degree. (MeNO2). X (2 g.) warmed 0.5 hr. with 10 g. SnCl2 in 10 cc. concd. HCl, the mixt. poured into 6N NaOH, heated almost to boiling, and the solid collected gave 1.6 g. 9-p-aminophenyl-2,3,10-triazaphenanthrene (XI), m. 305-7.degree. (alc.). XI similarly treated with MeI gave the MeI quaternary salt, m. 323-4.degree. (decompn.) (alc.). 9-m-Nitrophenyl-2,3,10-triazaphenanthrene (XII) was prepd. as described for X in 74% yield as needles, m. 251-4.degree. (MeCN). Similarly XII reduced with SnCl2 and HCl gave 80% 9-m-aminophenyl-2,3,10-triazaphenanthrene, blades, m. 245-6.degree. (alc.). Oxidation of 4-p-methoxyphenylcinnoline gave a dicarboxylic acid (XIII), m. 148-50.degree. (effervescence). XIII refluxed 15 min. with 40 cc. EtOCH2CH2OH gave 11 g. 5-p-methoxyphenylpyridazine-4-carboxylic acid (XIV), m. 206-8.degree. (decompn.) (alc.). XIV (37 g.) in 1 l. dil. I evapd. almost to dryness gave 31 g. 5-(4-methoxy-3-nitrophenyl)pyridazine-4-carboxylic acid, m. 232-4.degree. (decompn.) (dil. HNO3); Me ester (XV) (78%), m. 151-3.degree. (alc.). XV (30 g.) in 1.5 l. MeOH satd. with NH3 at 5.degree., left 14 days at room temp., and resatd. with NH3 after 7 days gave 20.5 g. 4-carbamoyl-5-(4-methoxy-3-nitrophenyl)pyridazine (XVI), m. 233-4.degree. (decompn.) (alc.). XVI (10 g.) added in 1 portion to aq. KOBr and stirred 7 hrs. at 0.degree. and the soln. heated 40 min. on the steam bath gave 4.5 g. 4-amino-5-(4-methoxy-3-nitrophenyl)pyridazine (XVII), m. 199-201.degree. (decompn.). XVII benzoylated 32 hrs. in refluxing PhCl with BzCl-C5H5N gave 62% 4-benzamido-5-(4-methoxy-3-nitrophenyl)pyridazine (XVIII), m. 220-1.degree. (alc.). XVIII (0.6 g.) heated 2.5 hrs. in 60 cc. alc. at 90.degree. with H and Pd-C under 100 atm. pressure gave 0.27 g. 4-(3-amino-4-methoxyphenyl)-5-

benzamidopyridazine (XIX), m. 185-6.degree. (MeOH). XVIII (4 g.) added portionwise to 150 cc. SnCl2 reagent, and left at room temp. overnight, treated with ice and excess dil. NH4OH, and isolated with CHCl3 gave 2.7 g. XIX. XIX on acetylation gave 66% 4-(3-acetamido-4-methoxyphenyl)-5-benzamidopyridazine, m. 189-90.degree. (Me2CO).

IT **108978-01-4**, Pyridazine, 4-o-nitrobenzamido-5-phenyl-
(prepn. of)

RN 108978-01-4 CAPLUS

CN Pyridazine, 4-(o-nitrobenzamido)-5-phenyl- (6CI) (CA INDEX NAME)